

H140

HIGH DEFINITION IP-STB

Next generation high definition, high performance set-top box for Guest Room IPTV applications.

The world of IPTV has rapidly evolved in its relatively short history - from MPEG-2 to MPEG-4, SD to HD - and a host of other standards and features to support the delivery of TV services over managed broadband networks. With HD services becoming an in-room requirement in many guest rooms worldwide, the H140 allows hospitality solution providers to specify a high performing HD STB, based on the latest generation STi7105 system-on-chip (SoC), but at a cost effective price point, whilst still providing all the features required for such applications.

ADVANTAGES

The H140 is an ideal component of a digital guest room entertainment solution. Fully digital systems provide numerous benefits for the operator, including:

- Easy update of content via remote download - no more tapes or CDs to track and ship
- Remote management of the system - fewer on-site service calls
- Ability to integrate with other guest services - telephony, Internet, billing, information.

CEC CONTROL

The H140 provides CEC control over HDMI. This feature allows system integrators to provide an integrated solution with TVs that also support CEC, with features such as IR pass-through, power on and off of the TV and STB, plus sending and receiving other CEC supported, or custom control commands, between TV and STB.

SERIAL INTERFACE

Hospitality system integrators require access to the STB to integrate bespoke applications for many installations. The H140 is equipped with a RS-232 serial interface that can be used as a connection interface to hospitality televisions for single remote control use, if CEC is not being used and many other applications.

EXTENSIVE ECOSYSTEM SUPPORT

The H140 is supported by an extensive ecosystem of middleware, browser, conditional access and DRM options required for the widely varying configurations of the IPTV market.

COMPREHENSIVE DESIGN TOOLS AND SUPPORT

Amino software technology is based on open standards such as Linux and HTML. Application developers for the H140 benefit from the Amino JMACX system which enables full control of the STB functions from the browser. JMACX provides the service operator with a powerful set of HTML and JavaScript extensions which allow simple and highly effective user interface designs to be created or ported. For increased flexibility in creating custom applications ADKs and SDKs are also available.

TO FIND OUT MORE ABOUT THE H140 PLEASE CONTACT AN AMINO REPRESENTATIVE TODAY.

"The H140 is a powerful STB for guest-room applications"



H140

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SOFTWARE UPDATES AND MAINTENANCE

The H140 holds a complete software image in on-board flash memory, and is also designed to support secure bootstrap from a multicast server. At any time, a deployed H140 can be upgraded with a new software image via the secure multicast server. The multicast approach ensures that very large numbers of deployed set-tops can be upgraded without placing an individual load on the server or the network. For security, software images can be signed with keys unique to each deployment.

SPECIFICATION

SIZE AND WEIGHT	140mm x 114mm x 40mm. 320g (excluding accessories and packaging)
INPUTS	1 x Ethernet 10/100 BaseT via RJ-45 shielded connector
OUTPUTS	HDMI 1.3a. with HDCP and CEC 10-way Mini-DIN for Composite video, Component (YPrPb), RGB, S-Video and analogue audio. S/PDIF (optical). 2x USB2.0. RS232 serial connector
POWER	5V DC at 1.5A via external power supply Less than 8W typical usage (external supply input voltage 100-240V AC 50-60Hz 3A max)
CODECS	MPEG-2 MP@HL MPEG-4 pt10 AVC/H.264 HP@L4
VIDEO RESOLUTIONS	up to 720p and 1080i. Displays up to 1080p
GRAPHICS RESOLUTIONS	HD graphics up to 1280x720
AUDIO	Analogue stereo audio out. Stereo and Dolby 5.1 surround via S-PDIF and HDMI. Dolby Digital+ pass through to external decoder
SECURITY	Wide selection of DRM and Conditional Access support. HDCP on HDMI Macrovision on SD outputs (option)
MEMORY	128MB Flash, 256MB RAM
FRONT PANEL LEDS	Power on /IR command received (Red)
OPERATING ENVIRONMENT	ETS 300-019-1-3 Class 3.1

ABOUT AMINO COMMUNICATIONS

Amino Communications is a world leading IPTV and hybrid/OTT innovator – bringing new entertainment products and solutions to a global market. With over three million devices sold to 850 customers in 85 countries, Amino's award-winning solutions are deployed by major network operators and service providers worldwide. Amino's speed-to-market, agility and leading-edge technology has secured important partnerships with global vendors, including Intel® and Ericsson, to deliver the rich entertainment experience consumers are demanding. Amino Communications is a wholly owned subsidiary of Amino Technologies plc and listed on the London Stock Exchange Alternative Investment Market (AIM: symbol AMO). It is headquartered near Cambridge, in the UK, with offices in the US, China and Sweden.

EMC CONFORMANCE	FCC Part 15 class B. 2004/108/EC EN55022
SAFETY APPROVALS	CAN/ CSA-C22.2 No. 60950-1-03 EN60950
ROHS	2002-95-EC
WEEE	2002-96-EC
OPERATING TEMPERATURE	0 °C (32 °F) to 40 °C (104 °F)
STORAGE HUMIDITY	5% to 95% RH (non-condensing)

ACCESSORIES

Remote Control (510-710)	Standard
Power supply & regional power cord	Standard
IR keyboard (502-455)	Optional
HDMI cable (510-885)	Optional
SCART cable (502-418)	Optional
Component (YPrPb or RGB) cable (502-419)	Optional
S-VHS & Composite (CVBS) cable (502-594)	Optional



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